

## TEST METHOD AND APPARATUS FOR PARALLEL OPTICAL TRANSCEIVERS USING SERIAL EQUIPMENT

### Abstract of the Disclosure

5 A test method and apparatus are provided for testing parallel optical transceivers. Each of a plurality of channels of the parallel optical transceiver is connected in series. A predefined data pattern is applied to a first channel of the series connected plurality of channels. An output is detected from a last channel of the series connected plurality of channels and compared the applied predefined data pattern to identify operation of the parallel optical transceiver. An optical wrap plug and an electrical wrap plug are used for connecting in series the plurality of channels of the parallel optical transceiver. The optical wrap plug includes a plurality of optical connectors for respectively optically connecting each respective channel transmitter to a next respective channel receiver. The electrical wrap plug includes a plurality of electrical connectors for respectively electrically connecting a respective channel receiver to a corresponding respective channel transmitter.

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